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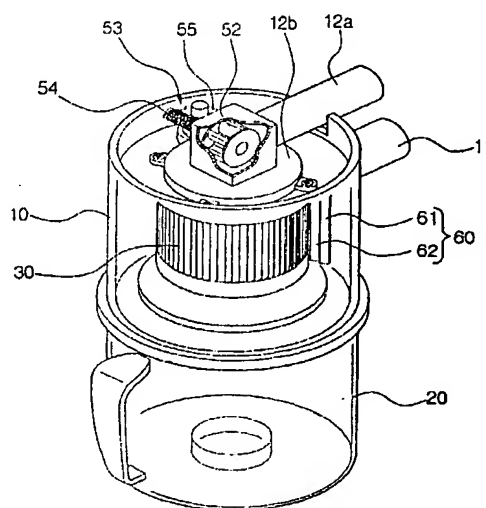
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(54) Abstract Title: Self-cleaning mechanism for cyclone overflow grill

(57) The cyclone-type dust-collecting apparatus for a vacuum cleaner according to the disclosed invention has a grill cleaning means for automatically removing fine dusts covering the grill 30 when the cleaner is in use. The grill cleaning means preferably comprises a grill rotating means (50, fig 3) for rotating the grill while the cleaner is in use and a dusting member 60 disposed to extend along one side of the inner cyclone body (10, fig 1) to contact the outer circumference of the rotating grill. The grill rotating means comprises a rotation member (51, fig 3) disposed at top of the cyclone body to rotatably support the grill in relation to the cyclone body and to rotate together with the grill, connected with the grill by a number of connection members, and having an upper surface of the cyclone body excluding the air discharge port (10b, fig 3) positioned in between, and provided with a gear portion (51b, fig 6) formed around the outer circumference, a driving source for providing driving force for rotating the rotation member, and a power transferring means for transferring power of the driving source to the rotation member via a worm gearing 54, 55. The driving source may comprise a turbine fan 52 disposed in the discharge pipe 12a of the air discharge unit to be rotated by air discharged through the discharge pipe, or may comprise a motor (52a, fig 7).

FIG. 5



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## Self-cleaning mechanism for cyclone overflow grill

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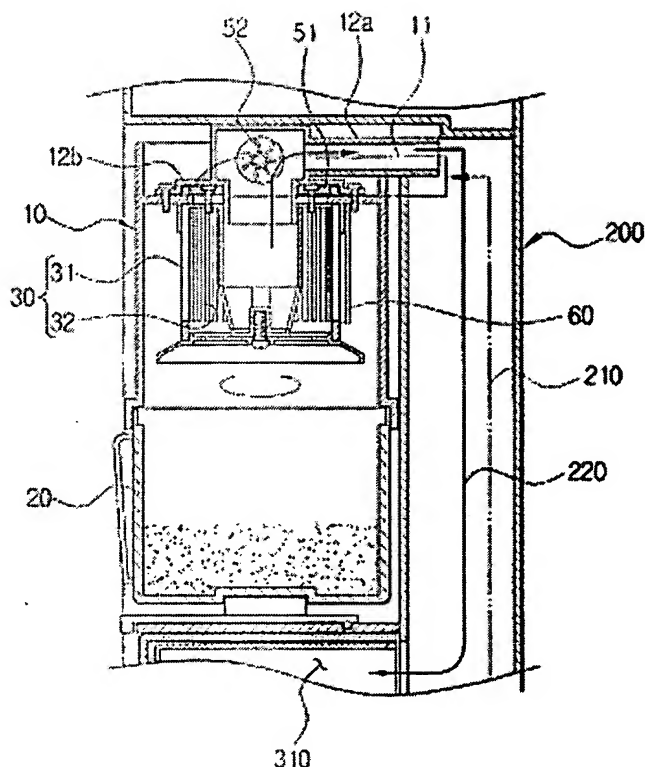
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### Abstract of GB2389064

The cyclone-type dust-collecting apparatus for a vacuum cleaner according to the disclosed invention has a grill cleaning means for automatically removing fine dusts covering the grill 30 when the cleaner is in use. The grill cleaning means preferably comprises a grill rotating means (50, fig 3) for rotating the grill while the cleaner is in use and a dusting member 60 disposed to extend along one side of the inner cyclone body (10, fig 1) to contact the outer circumference of the rotating grill. The grill rotating means comprises a rotation member (51, fig 3) disposed at top of the cyclone body to rotatably support the grill in relation to the cyclone body and to rotate together with the grill, connected with the grill by a number of connection members, and having an upper surface of the cyclone body excluding the air discharge port (10b, fig 3) positioned in between, and provided with a gear portion (51b, fig 6) formed around the outer circumference, a driving source for providing driving force for rotating the rotation member, and a power transferring means for transferring power of the driving source to the rotation member via a worm gearing 54, 55. The driving source may comprise a turbine fan 52 disposed in the discharge pipe 12a of the air discharge unit to be rotated by air discharged through the discharge pipe, or may comprise a motor (52a, fig 7).



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